

I CLAIM:

1. A composite laminate comprising:

a fabric sheet which is surface-treated with an amine-containing surface agent;

5 a thermoplastic sheet; and

a polyurethane elastomer film interposed between said fabric sheet and said thermoplastic sheet;

10 wherein said fabric sheet, said thermoplastic sheet and said polyurethane are thermally pressed to form a stack in such a manner that said polyurethane elastomer film penetrates into said fabric sheet, reacts with said surface agent to form a -CONH bonding therebetween, and is bonded to said
15 thermoplastic sheet.

2. The composite laminate of Claim 1, wherein said thermoplastic sheet is made from a material selected from the group consisting of polyvinyl chloride, acrylonitrile-butadiene-styrene copolymer,
20 polystyrene, polycarbonate, and polyester.

3. The composite laminate of Claim 1, wherein said fabric sheet is made from a material selected from the group consisting of carbon fiber and glass fiber.

4. A method for making a composite laminate,
25 comprising the steps of:

stacking a fabric sheet, a polyurethane elastomer film and a thermoplastic sheet together

to form a stack, the polyurethane elastomer film being disposed between the fabric sheet and the thermoplastic sheet; and

5 hot pressing the stack in such a manner so as to permit penetration of the polyurethane elastomer film into the fabric sheet and adhesive bonding of the polyurethane elastomer film to the thermoplastic sheet.

10 5. The method of Claim 4, further comprising surface-treating the fabric sheet with an amine-containing surface agent prior to forming the stack so as to permit reaction of the polyurethane elastomer film with the surface agent upon hot pressing.

15 6. The method of Claim 5, wherein the hot pressing is conducted at a temperature ranging from 120-180°C.

7. The method of Claim 6, wherein the hot pressing is conducted at a pressing pressure ranging from 2-10 Kg/cm².

20 8. The method of Claim 5, wherein the thermoplastic sheet is made from a material selected from the group consisting of polyvinyl chloride, acrylonitrile-butadiene-styrene copolymer, polystyrene, polycarbonate, and polyester.

25 9. The method of Claim 5, wherein the fabric sheet is made from a material selected from the group consisting of carbon fiber and glass fiber.